

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the Application.

Listing of Claims:

1. (Currently Amended) A method for delivering an applications over a network in which the business logic of the application is running on ~~the~~ a backend server, the method comprising the steps of:

~~, the user interface of the application is rendered on a client device who is connected to the backend server via a network . The Graphics User Interface API and event processing API of the application is implemented to be network aware instead of being local machine centric as traditional GUI APIs:~~

~~the~~ having the application ~~in turn~~ invoke a GUI API to present the application's user interface; ~~The application in turn invokes GUI API to present its user interface. However, the network aware GUI API is invoked;~~

replacing the GUI API with a network aware GUI API running on a backend server which translates ~~translating~~ the application's presentation layer information into a pre-determined format based messages which describe[[s]] ~~the~~ a Graphical User Interface, event processing registries, and other related information corresponding to ~~Such information describes the presentation layer of the application in [[a]] high level, object level, messages;~~ ~~which minimizes network traffic;~~

sending such messages to the client device via a network;

processing the messages and rendering ~~the~~ a user interface by a client-side program, [.]
which delivers a ~~the best possible~~ user experience for that device according to the capability of
the specific client device[.];

rendering the user interface on the client device;

transmitting a plurality of necessary user input and a plurality of client-side events back
to the server by the client-side program via a predetermined protocol;

processing the user input and client-side events on the backend server, translating the
events and inputs as if they were locally generated, and sending such translated events and inputs
to the application for processing;

encoding and routing output of the application to the client device using the
predetermined messaging format; and,

further processing the output by the client-side program to refresh the Graphical User
Interface thereat.

Applicant: Coach Wei, et al
U.S.S.N.: 10/017,183
Filing Date: February 19, 2003
EMC Docket No.: EMC-06-235

2. (Currently Amended) The method of Claim 1, wherein the GUI ~~Graphics User Interface~~ API and the event processing API ~~is~~ are Java Foundation Classes (~~including Swing, AWT and so on~~)[[:]].
3. (Currently Amended) The method of Claim 1, wherein the client-side program is a computer program based on an Operating System's API, such as Windows API, or X Windows API ~~and so on~~[[:]].
4. (Currently Amended) The method of Claim 1, wherein the client-side program is a wireless device program written using the device's Operating System's API, such as Palm API and Windows CE API[[:]].
5. (Currently Amended) The method of Claim 1, wherein the client-side program is a Java program written using a Java API[[:]].
6. (Currently Amended) The method of Claim 5, wherein the JAVA API is AWT, Personal Java, Java 2 Micro Edition based GUI API or Java Swing[[:]].
7. (Original) The method of Claim 1, wherein the predetermined protocol is HTTP.
8. (Original) The method of Claim 1, wherein the predetermined protocol is HTTPS.

Applicant: Coach Wei, et al
U.S.S.N.: 10/017,183
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9. (Original) The method of Claim 1, wherein predetermined protocol is WAP.
10. (Original) The method of Claim 1, wherein predetermined protocol is proprietary.
11. (Currently Amended) The method of Claim 1, wherein the predetermined messaging format is based on XML[[:]].
12. (Currently Amended) The method of Claim 1, wherein the predetermined messaging format is proprietary[[:]].
13. (Original) The method of Claim 1, wherein the network is the Internet.
14. (Original) The method of Claim 1, wherein the network is a local area network.
15. (Original) The method of Claim 8, wherein the local area network is a bandwidth-limited slow speed network.
16. (Original) The method of Claim 1, wherein the network includes a wireless network.
17. (Currently Amended) The method of Claim 11, wherein the client device is selected from the group consisting of workstations, desktops, laptops, PDAs, wireless devices and other edge devices[[:]].

Applicant: Coach Wei, et al
U.S.S.N.: 10/017,183
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18. (Original) The method of Claim 1, wherein the server and the client device are combined into one entity.

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (New) A system for distributing an application including at least a server, at least a client device, and a communication means, the system comprising:

a presentation layer of the application written using a server-side API based network programming model;

a business logic layer of the application and a data layer of the application both of which are written with the server-side API and running on the server; and where

the server-side API having a supporting infrastructure that sends the application's user interface information to a client device for presentation, handles communications problems, renders the application's user interface and dispatches necessary user input events back to the server for processing.

23. (New) An apparatus for distributing an application over a network where the apparatus includes:

a server;

a client device;

a network communication means;

a network based API module that is used to transparently replace the API on which the application was developed;

a first means for running an application of the plurality of applications where a business logic of the application runs on the server;

a second means for replacing the API of each of the plurality of applications with the network based API so that each of the applications' logic runs on the server;

a third means for using the network based API to create a display for an application on the client device;

a fourth means for transferring the user interactions on the client device to the server, calculating the appropriate response to the input, and transmitting the appropriate response to the client machine;

a fifth means for updating the display of the application on the client device based on the responses from the server.

24. (New) The method of Claim 1 wherein the application code is not modified when distributing the application and the application code is not distributed to the client device.

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U.S.S.N.: 10/017,183
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25. (new) The method of Claim 1 used to distribute a plurality of pre-existing applications.